

FIG. 1A

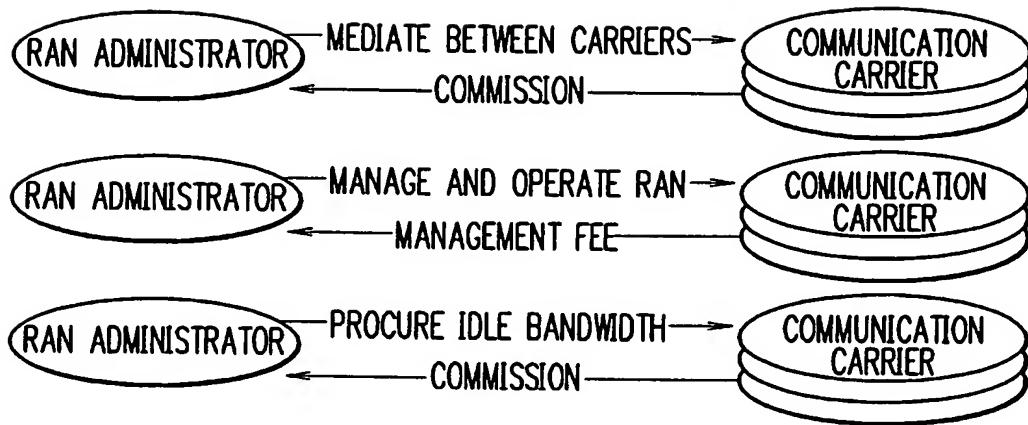
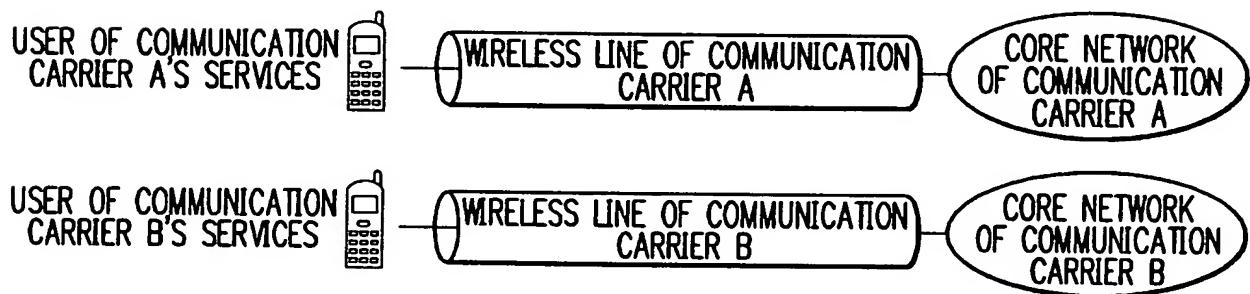
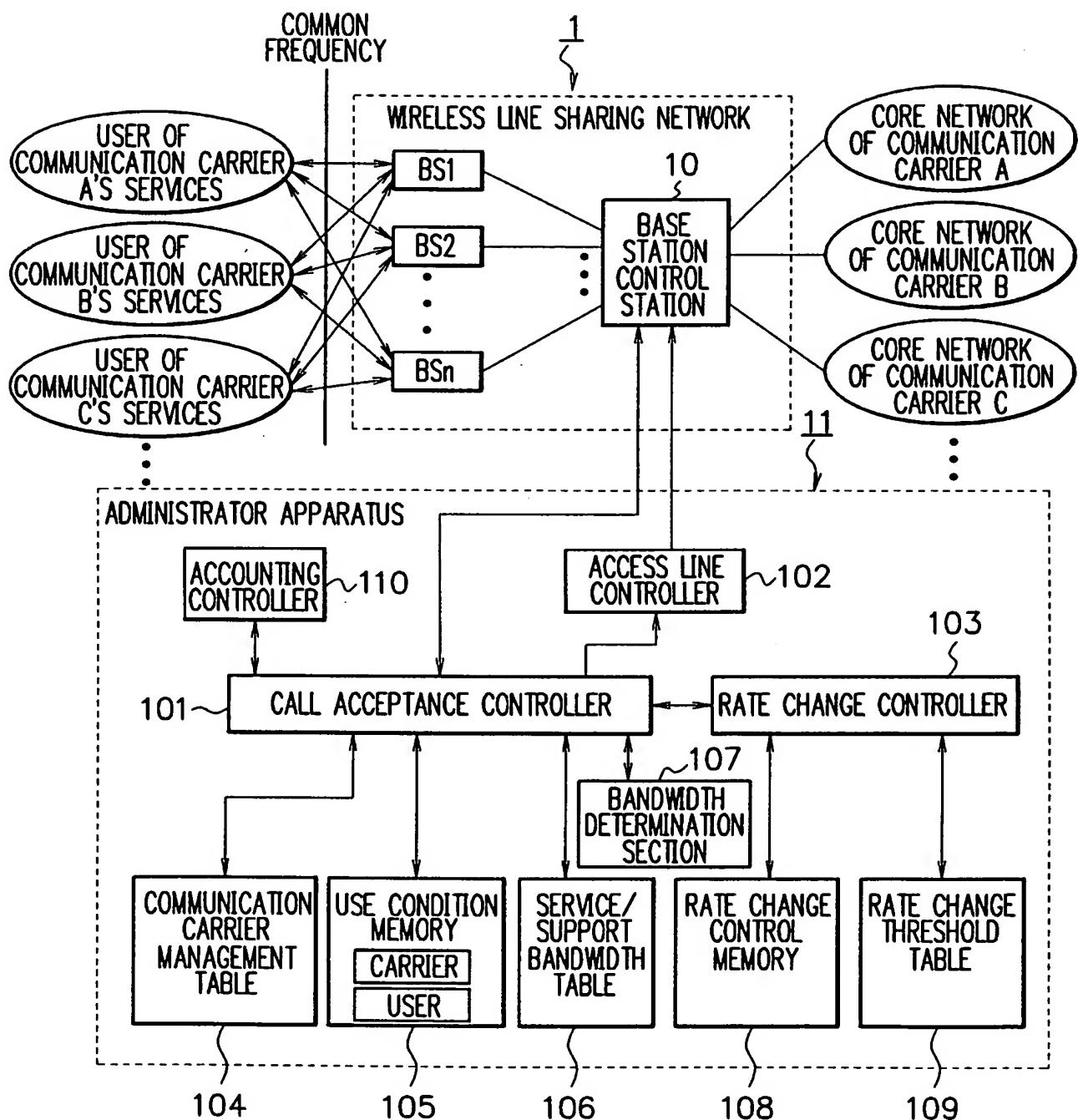
FIG. 1B
PRIOR ART

FIG. 2



F I G. 3
 (A)

BEST-EFFORT SYSTEM

COMMUNICATION CARRIER IDENTIFIER	PROVIDED BANDWIDTH INFORMATION		CONNECTION DESTINATION ADDRESS
	DEDICATED RADIO BANDWIDTH	SHARED RADIO BANDWIDTH	
A	0	100	192.168.0.1
B	0	100	192.168.0.2
C	0	100	192.168.0.3
...

(B)

BRANDWIDTH GUARANTEE SYSTEM

COMMUNICATION CARRIER IDENTIFIER	PROVIDED BANDWIDTH INFORMATION		CONNECTION DESTINATION ADDRESS
	DEDICATED RADIO BANDWIDTH	SHARED RADIO BANDWIDTH	
A	50	0	192.168.0.1
B	30	0	192.168.0.2
C	20	0	192.168.0.3
...

(C)

BRANDWIDTH GUARANTEE +
 BEST-EFFORT SYSTEM

COMMUNICATION CARRIER IDENTIFIER	PROVIDED BANDWIDTH INFORMATION		CONNECTION DESTINATION ADDRESS
	DEDICATED RADIO BANDWIDTH	SHARED RADIO BANDWIDTH	
A	40	30	192.168.0.1
B	20	30	192.168.0.2
C	10	30	192.168.0.3
...

F I G. 4

(A)

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CARRIER USE CONDITION MEMORY		
COMMUNICATION CARRIER ID	CONTRACT BANDWIDTH	CURRENTLY USED BANDWIDTH
A	40	20
B	20	10
:	:	:

(B)

USER USE CONDITION MEMORY

USER ID	SERVICE ID	UE SUPPORT BANDWIDTH	VERSION IDENTIFIER	RESERVED BANDWIDTH
UE1	CALL	12	1	12
UE2	IMAGE	384	-	128
:	:	:	:	:

F I G. 5

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S

COMMUNICATION CARRIER ID	SERVICE IDENTIFIER	VERSION IDENTIFIER	CARRIER SUPPORT BANDWIDTH
A	CALL	1	12(Kbit/sec)
		2	24,12,10,8,6,4,2
	IMAGE	—	384,128,64,32,8
	EMAIL	—	64,32
B	IMAGE	—	64,32
C	CALL	—	12
...

F I G. 6

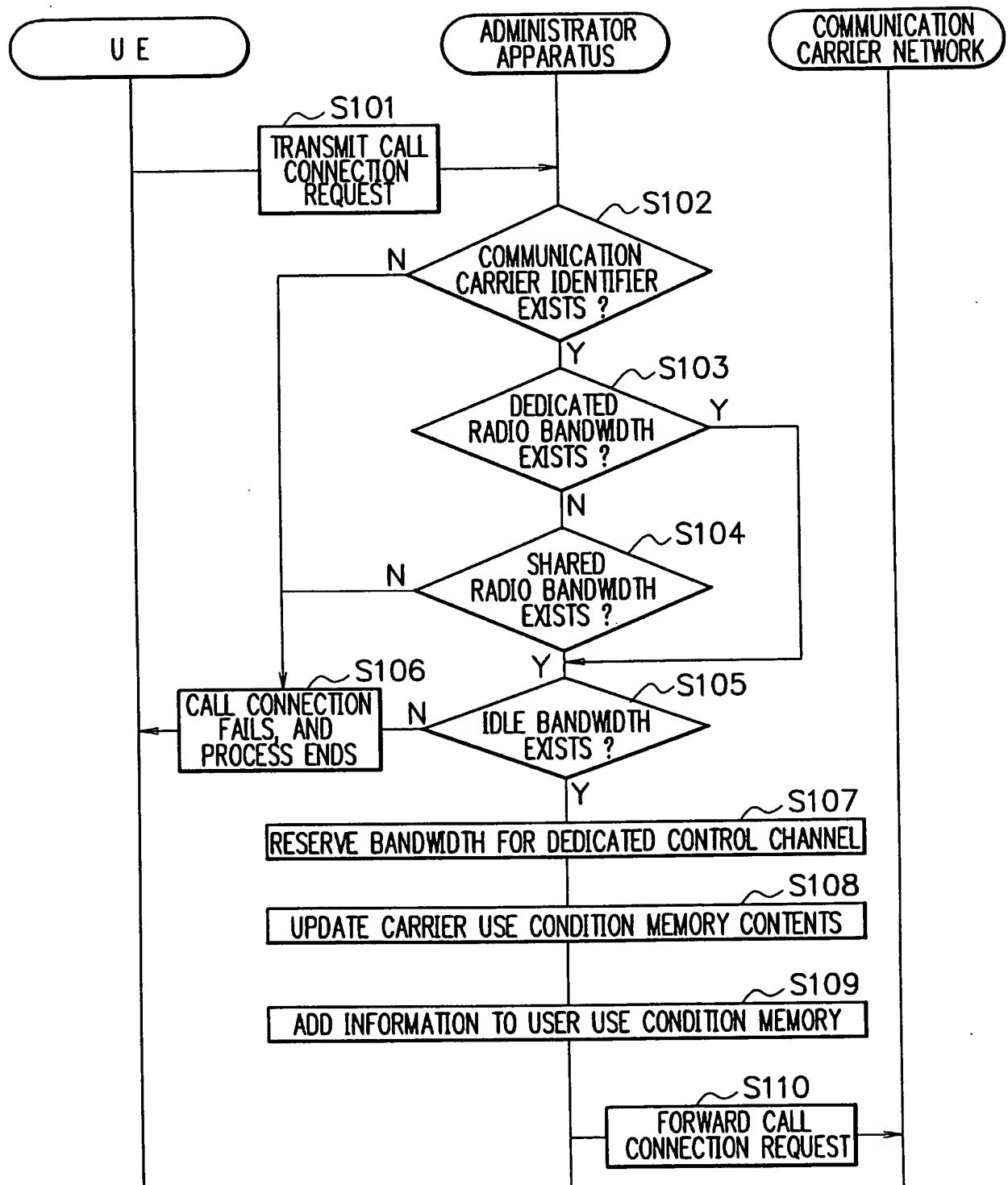
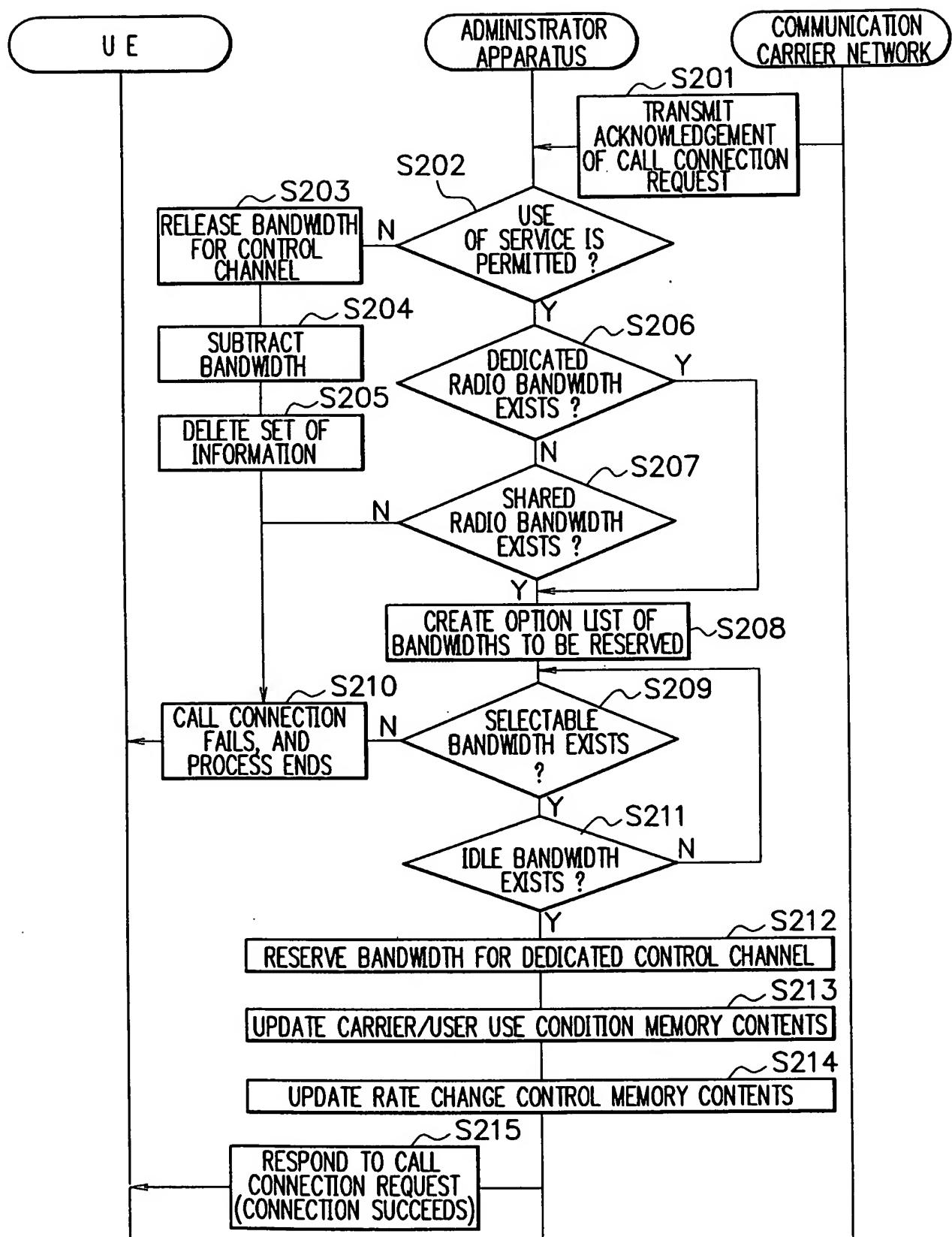
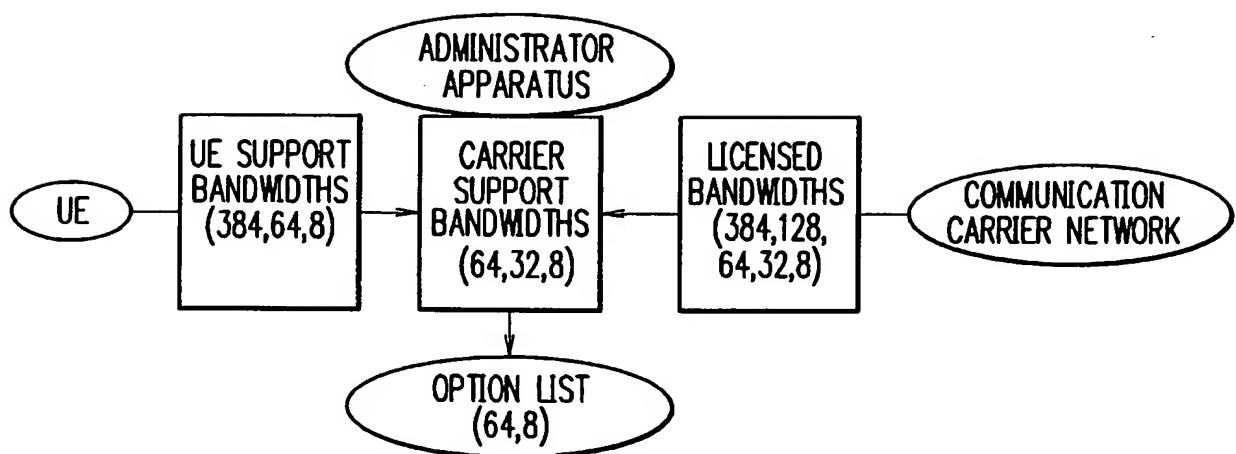


FIG. 7



F I G. 8



8/12

F I G. 9

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USED BANDWIDTH	SUBSCRIBER IDENTIFIER	OPTION LIST OF BANDWIDTHS
12	05280000	12
...
64	10000002	64
64	00001968	64,32,8
...
384	00000000	384,128,64,32,8
384	00010000	384,128
...

BANDWIDTH GROUP
BANDWIDTH GROUP
BANDWIDTH GROUP

F I G. 10

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COMMUNICATION CARRIER IDENTIFIER	RATE CHANGE AVAILABILITY	THRESHOLD/HYSTERESIS VALUES FOR RATE DOWN	THRESHOLD/HYSTERESIS VALUES FOR RATE UP
A	AVAILABLE	38/35	20/25
B	AVAILABLE/RATE DOWN ONLY	18/15	—
C	UNAVAILABLE	—	—
...

F I G. 11

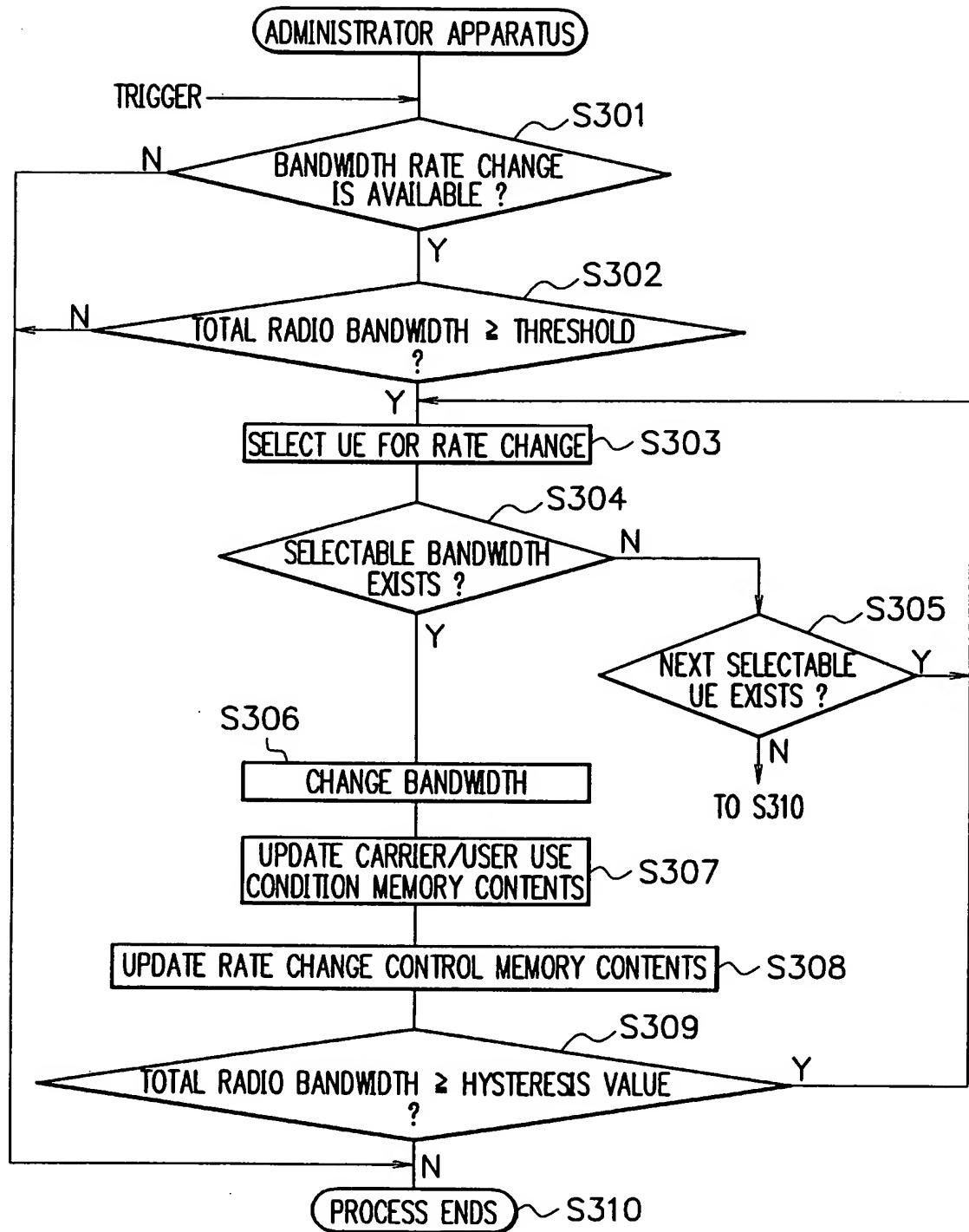
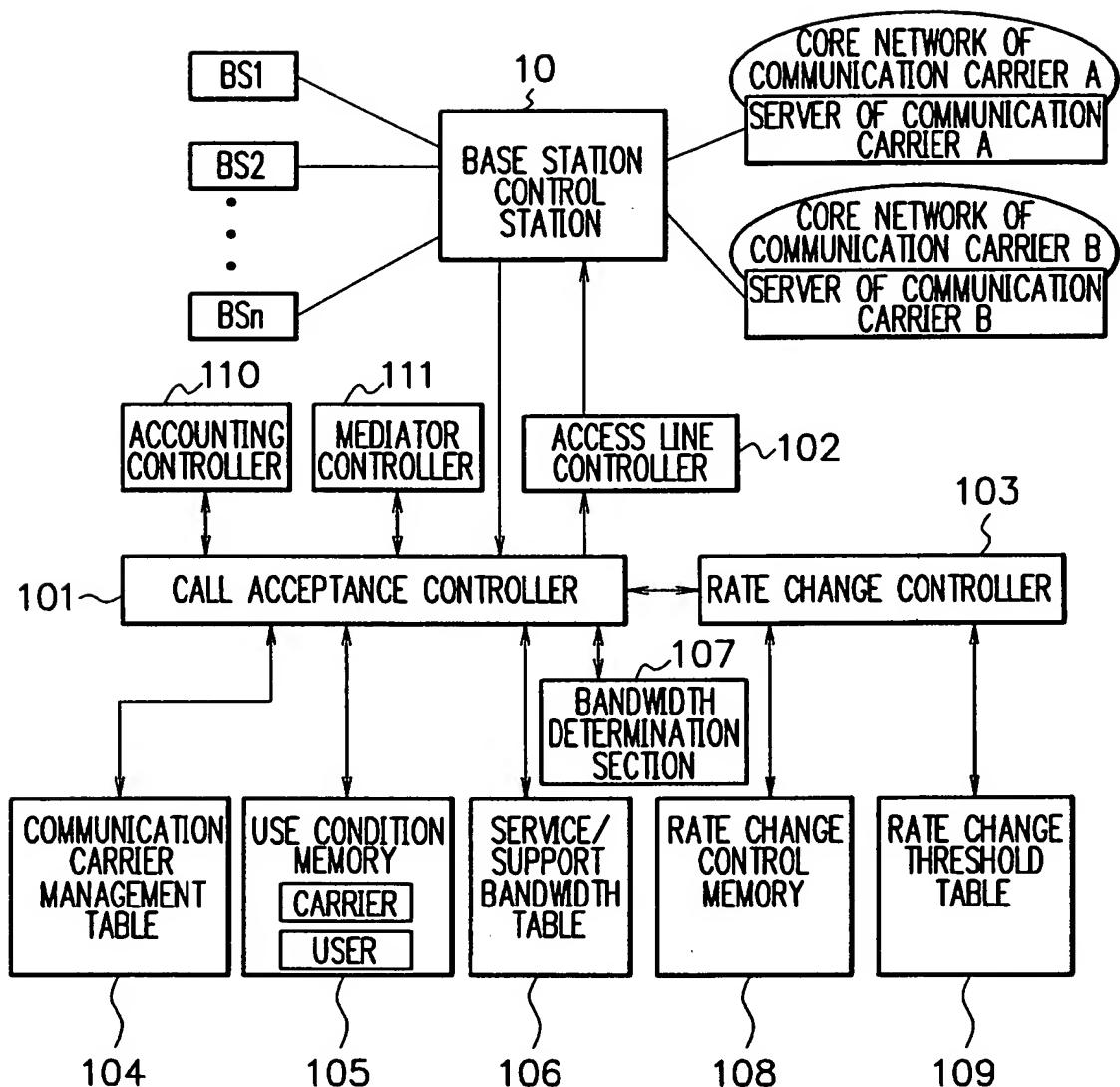
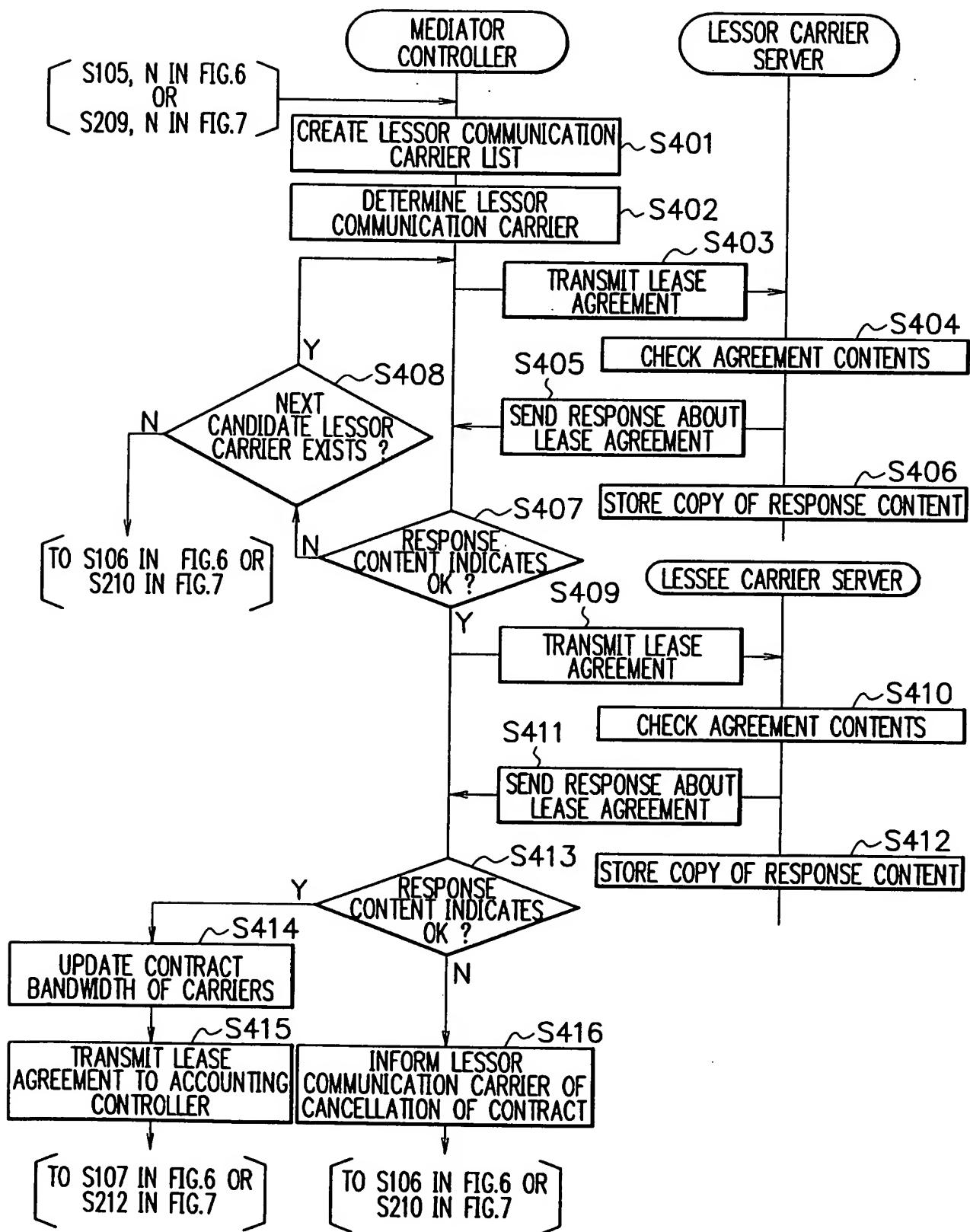


FIG. 12



F I G. 13



F I G. 14

